



Solution Flyer

SUSE Linux Enterprise Server for SAP Applications
SUSE Linux Enterprise Live Patching
SUSE Manager
SUSE CaaS Platform

Transitioning to SAP HANA on SUSE is the BEST Move

Many businesses are transforming their internal business processes and IT infrastructure to better compete in today's digital economy. SAP S/4HANA provides the agility and adaptability organizations need to realign business processes to leverage key technologies such as Internet of Things (IoT), Big Data, mobile applications and cloud computing while reducing IT complexity. SUSE helps companies realize the benefits of digital transformation by delivering a fast, reliable and secure platform uniquely designed and optimized for SAP environments.

SUSE Solutions for SAP Systems at a Glance:

- **Smoothly transition to SAP S/4HANA systems...**
with flexible Linux training, a familiar console, system authentication integration and guides for system administrators to quickly adapt to Linux operations.
- **Deliver services with greater agility...**
using automated tools and pre-configured solutions that speed up deployment and lifecycle management of SAP systems on premises and in the cloud.
- **Ensure reliability of SAP applicationbased services...**
with a cost-effective open source solution stack that is performance-optimized and includes resilience features that increase security and limit downtime.
- **Product:**
SUSE Linux Enterprise Server for SAP Applications
SUSE Linux Enterprise Live Patching
SUSE Manager
SUSE CaaS Platform

Smoothly transition to SAP S/4HANA

SAP S/4HANA applications are built on open source technology to support digital transformation by reducing IT infrastructure complexity. SAP's strategy is for all of its applications to be based on SAP HANA—which only runs on Linux. SUSE is committed to helping businesses smoothly transition their infrastructures to deliver SAP S/4HANA services for greater agility, today.

SUSE offers training for SAP system administrators current working with Microsoft Windows Server, IBM AIX and Oracle Solaris (learn more at training.suse.com). So that IT staff can be productive while learning Linux, **SUSE® Linux Enterprise Server for SAP Applications** includes the option to use the Microsoft Remote Desktop as a familiar operating console for staff to execute Linux commands. There is a guide for executing common Windows Server commands with SUSE Linux. With Active

Directory integration, existing Windows user-ids and passwords can be used in the Linux environment.

Deliver Services with Greater Agility

A key objective of digital transformation is to deliver services faster. **SUSE Linux Enterprise Server for SAP Applications** reduces the time to install and configure SAP landscapes with consistent, repeatable results using configuration scripts and automated deployment of a full SAP S/4HANA software stack for single node and clustered configurations. It leverages SAP application configuration and performance tuning packages developed by SUSE and made available to the open source community. This automated installation can be integrated with **SUSE Manager** so that you can use a single pane of glass for lifecycle management of your SAP systems whether they are on premise or in the cloud.

SUSE.com

SUSE Linux Enterprise Server for SAP Applications allows us to provide our clients a smooth path to the latest features and the next-generation business suite SAP S/4HANA

Peter Wiotti

Head of Business Area Basis & Hosting
Implema

SUSE and SAP have collaborated with major Hyperscalers Alibaba, Amazon, Google, IBM and Microsoft to deliver images for fast deployment of SAP systems built on SUSE Linux Enterprise Server. Bring-your-own-subscription (BYOS) options give you the flexibility to choose the cloud services that best fit your changing needs.

Ensure Reliability of SAP Application-Based Services

Your SAP systems are mission-critical. That's why **SUSE Linux Enterprise for SAP Applications** includes a full-featured high availability/disaster recovery (HA/DR) solution, SUSE Linux Enterprise High Availability Extension. Easily cluster any combination of physical and virtual systems into one of four HA scenarios based on your need for rapid recovery and cost-optimization. SUSE innovation enhances SAP HANA System Replication to automatically failover and recover in the event of a system outage.

Another way to reduce downtime of SAP HANA systems is persistent memory. SAP has validated the use of persistent memory solutions from IBM and Intel for SAP HANA databases to enable instant database recovery after system reboots. This eliminates the need to wait for data to load into traditional RAM from storage, which can take several hours for large SAP HANA databases.

Avoiding downtime for SAP systems is important, but so is keeping them secure. **SUSE Linux Enterprise Live Patching** gives you the ability to deploy multiple critical kernel patches for security vulnerabilities or stability issues without rebooting servers or waiting for the next service window.

Two key security features are also included in SUSE Linux Enterprise Server for SAP Applications. An SAP HANA Firewall secures the in-memory system. A built-in key server makes it possible to remotely unlock encrypted remote storage volumes after a system reboot. The Key Management

Interoperability Protocol (KMIP) is supported if you want to use your own proprietary key server.

Automate infrastructure management

SUSE offers features that enable SAP Basis Administrators to proactively identify issues before there is a failure with server and SAP-specific operational data that is automatically collected and graphically displayed. Another feature improves the effectiveness of troubleshooting SAP HANA System Replication with tooling that helps Basis administrators to visualize and validate cluster decisions and to replay failover transitions.

Take Control of Your Data

SAP Data Intelligence is designed to help you secure, manage and access disparate data sets more efficiently. **SUSE CaaS Platform** and **SUSE Enterprise Storage** provide a simple-to-implement, robust and scalable Kubernetes-based solution for SAP Data Intelligence.

SUSE offers Quick Start implementation services to help you quickly implement an SAP Data Intelligence infrastructure and unlock the value of your business data.

Run your SAP solutions on SUSE

SUSE is the trusted and preferred open source platform for SAP customers who want to unlock data intelligence, drive innovation and run with the best. SUSE Linux Enterprise Server for SAP Applications is the leading Linux platform for all SAP applications, and is the foundation for 90 percent of all SAP HANA installations. SUSE is the market leader for SAP infrastructure solutions with:

- 20 years of innovation and collaboration with SAP in the LinuxLab
- The first OS for SAP HANA on x86-64 and ppc64le-based server
- 90 percent share of the SAP HANA market
- 90 percent of SAP HANA benchmarks on Linux